

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

FILING DATE July 18, 2003 GROUP 1645

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	AE3	3,88	18,866	06/10/1975	Leute et al.			06/01/1973
	AF3	4,12	3,431	10/31/1978	Soffer et al.			05/06/1977
,	AG3	4,19	7,237	04/08/1980	Leute et al.			02/12/1975
//	АН3	4,78	8,189	11/29/1988	Glazer			02/29/1988
	AI3	4,91	8,166	04/17/1990	Kingsman et al.			10/26/1987
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Draw line through citation if not in conformance and not considered. Include copy of this form with

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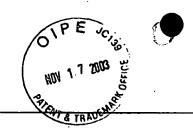
FILING DATE GROUP 1645 July 18, 2003

U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA4 5,939,598 08/17/1999 Kucherlapati et al. 07/30/1992 AB4 6,232,082 B1 05/15/2001 Ennifar et al. 12/01/1998 AC ΑE AF AG ÀΗ AI AJ AK FOREIGN PATENT DOCUMENTS EXAMINÊR INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION EP 0 576 357 B1 12/29/1993 Europe No Yes WO 94/28888 A1 12/22/1994 WIPO No Yes WO 96/02248 A1 02/01/1996 WIPO No Yes A06 WO 98/14216 A2 04/96/1998 WIPO No Yes AP6 / WO 99/17803 Al 04/15/1999 WIPO OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Carpino, L.A., "1-Hydroxy-7-azabenzotriazole. An Efficient Peptide Coupling Additive," J. Am. Chem. Soc. 115:4397-4398, American Chemical Society (1993) AR <u>131</u> WW Carrera, M.R., et al., "Suppression of psychoactive effects of cocaine by active immunization," *Nature 378:727-730*, Nature Publishing Group (1995) AS 131 Carrera, M.R., et al., "Cocaine vaccines: Antibody protection against relapse in a rat model, " Proc. Natl. Acad. Sci. USA 97:6202-6206, National Academy AΤ 131 Press (2000)

EXAMINER

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ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
APPLICANT BACHMANN et al.	
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July 18, 2003 1645 U.S. PATENT DOCUMENTS EXAMINER INITIAL DOCUMENT NUMBER DATE NAME CLASS SUB-CLASS FILING DATE AA AB AC AD AE AF AG AН ΑI AJ AK FOREIGN PATENT DOCUMENTS EXAMIÑER INITIAL DOCUMENT NUMBER DATE COUNTRY CLASS SUB-CLASS TRANSLATION Yes AL8 WO 01/77158 A1 10/18/2001 WIPO No Yes AM8 WO 01/85208 A3 11/15/2001 WIPO No Yes AN8 WO 01/98333 A2 &A3 12/27/2001 WIPO No Yes 80A WO 02/14478 A2 02/21/2002 WIPO No Yes AP8 WO 02/056905 A2 07/25/2002 WIPO No OTHER (Including Author, Title, Date, Pertinent Pages, etc.) Castro, A., et al, "Nicotine Antibodies: Comparison of Ligand Specificities of AR Antibodies Produced against Two Nicotine Conjugates, " Eur. J. Biochem. 104:331-<u> 133</u> 340, Blackwell Publishing (1980) Cohen, C., et al., "SR141716, a central cannabinoid (CB1) receptor antagonist, AS <u>133</u> blocks the motivational and dopamine-releasing effects of nicotine in rats." Behav. Pharmacol. 13:451-463, Lippincott Williams & Wilkins (2002)

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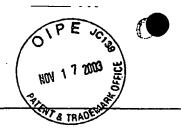
da Costa, C.L., et al., "Stopping Smoking: A prospective, Randomized, Double-Blind Study Comparing Nortriptyline to Placebo," Chest 122:403-408, The American College of Chest Physicians (August 2002)

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DATE CONSIDERED

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# FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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## FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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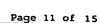
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ATTY. DOCKET NO. 1700.0300001/BJD/SJE	APPLICATION NO. 10/622,064
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	AS	139	Musso, D.L., et al., "Synthesis and Evaluation of the Antidepressant Activity of the Enantiomers of Bupropion," Chirality 5:495-500, Wiley-Liss, Inc. (1993)						
	AT	139			njugate of nicotine and lys. Res. Commun. 83:83-				





FORM PTO-1449

## FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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·	AS	141	Stoll, E., et al., "Revised Amino Acid Sequence of Qβ Coat Protein between Positions 1 and 60," J. Biol. Chem. 252:990-993, The American Society for Biochemistry and Molecular Biology (1977)							
	AT	141	Yamamoto, S., et al., "A nontoxic mutant of cholera toxin elicits Th2-type responses for enhanced mucosal immunity," <i>Proc. Natl. Acad. Sci. USA 94</i> :5267-5272, National Academy Press (1997)							
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M	AA1	4,722,840	02/02/1988	Valenzuela et al.			09/19/1985
	AB1	5,071,651	12/10/1991	Sabara et al.			03/05/1990
· \ _ ·	AC1	5,143,726	09/01/1992	Thornton et al.			11/20/1989
	AD1	5,334,394	08/02/1994	Kossovsky et al.			01/04/1993
	AE1	5,374,426	12/20/1994	Sabara et al.			10/30/1989
	AF1	5,580,859	12/03/1996	Felgner et al.			03/18/1994
	AG1	5,698,424	12/16/1997	Mastico et al.			01/03/1995
	AH1	5,739,026	04/14/1998	Garoff et al.			08/13/1992
	AI1	5,766,602	06/16/1998	Xiong et al.			01/19/1995
	AJ1	5,770,380	06/23/1998	Hamilton et al.			09/13/1996
	AK1	5,789,245	08/04/1998	Dubensky, Jr. et al.			10/30/1996
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-	AL1	WO 92/11291 A1	07/09/1992	WIPO			Yes
	AM1	WO 96/30523 A2	10/03/1996	WIPO			Yes No
	AN1	WO 97/31948 A1	09/04/1997	WIPO			Yes No
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	Abraham, S.N., et al., "Glycerol-Induced Unraveling of the Tight Helical Conformation of Escherichia coli Type 1 Fimbriae," J. Bacteriol. 174:5145-5148, American Society for Microbiology (1992)						
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	AB2	5,81	4,482	09/29/1998	Dubensky, Jr. et al.			10/30/1996	
	AC2	5,87	1,747	02/16/1999	Gengoux-Sedlik et al.			04/28/1995	
	AD2	5,92	8,647	07/27/1999	Rock			09/15/1995	
	AE2	6,00	4,763	12/21/1999	Gengoux et al.			05/12/1998	
	AF2		4,312	04/25/2000	Larocca et al.			08/29/1997	
	AG2		1,864 B1	05/15/2001	Birkett			02/11/1999	
	AH2	6,38	0,364 B1	04/30/2002	Mueller et al.			10/06/1999	
	AI2	2002	/0064533 A1	05/30/2002	Murray			06/04/2001	
	AJ2	2002	/0081295 A1	06/27/2002	Schiller et al.			04/13/2001	
	AK2	2003	/0157479 A1	08/21/2003	Bachmann et al.			11/07/2002	
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	A03	EP 0	385 610 B1		03/16/19	94	Europe				Yes No
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ATTY DOCKET NO APPLICATION NO. SJE 10/622,064

APPLICANT BACHMANN et al.

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Gunn, M.D., et al., "A B-cell-homing chemokine made in lymphoid follicles activates Burkitt's lymphoma receptor-1," *Nature 391*:799-803, Nature Publishing

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Kodama, S., et al., "Characterization of recombinant murine interleukin 5 expressed in Chinese hamster ovary cells," Glycobiology 2:419-427, Oxford University Press (1992)

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Lee, K.H., et al., "Two-Dimensional Electrophoresis of Proteins as a Tool in the Metabolic Engineering of Cell Cycle Regulation," Biotech. Bioeng. 50:336-340, John Wiley & Sons, Inc. (1996)

Leech, M., et al., "Involvement of macrophage migration inhibitory factor in the

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

evolution of rat adjuvant arthritis," Arthritis Rheum. 41:910-917, Arthritis Foundation (1998)

Leech, M., et al. "Regulation of macrophage migration inhibitory factor by endogenous glucocorticoid in rat adjuvant-induced arthritis," Arthritis Rheum. 43:827-833, Arthritis Foundation (April 2000)

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INFORMATION DISCLOSURE STATEMENT

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> Luther, S.A., et al., "BLC Expression in Pancreatic Islets Causes B Cell Recruitment and Lymphotoxin-Dependent Lymphoid Neogenesis," *Immunity* 12:471-481, Cell Press (May 2000)

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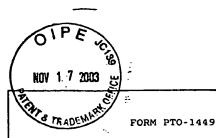
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	Martiny-Baron, G., and Marmé, D., "VEGF-mediated tumour angiogenesis: a new target for cancer therapy," Curr. Opin. Biotechnol. 6:675-680, Current Biology, Ltd. (1995)							
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	AS	Oberlin, E., et al., "The CXC chemokine SDF-1 is the ligand for LESTR/fusin and prevents infection by T-cell-line-adapted HIV-1," Nature 382:833-835, Nature Publishing Group (1996)							
	Ohnishi, Y., et al., "Crystal Structure of Recombinant Native SDF-1\alpha with Additional Mutagenesis Studies: An Attempt at a More Comprehensive Interpretation of Accumulated Structure-Activity Relationship Data," J. Interferon Cytokine Res. 20:691-700, Mary Ann Liebert, Inc. (August 2000)								nterpretation
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		AS	<u>56</u>	Pierson-Mullany, L.K., et al. "Characterization of polyclonal allergen-specific IgE responses by affinity distributions," Mol. Immunol. 37:613-620, Elsevier Science, Ltd. (August 2000)							
	j	AT ,	<u>56</u>	derived Po	eptides Inhibi	ascular Endothelial Growth t VEGF," <i>J. Biol. Chem. 27</i> y and Molecular Biology, I	4:56	12-561	EGF) Recep 9, The Ame	otor II- erican	
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	AS	<u>57</u>	Coliphage	QB: Three Pr	Complete Plasmid-based Complementaion System for RNA oteins of Bacteriophages QB (Group III) and SP (Group IV) J. Mol. Biol. 249:283-297, Academic Press, Ltd. (1995)						
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Ritter, A., et al., "The Pai-associated leuX specific  $tRNA_5^{Leu}$  affects type 1 fimbriation in pathogenic Escherichia coli by control of FimB recombinase expression," Mol. Microbiol. 25:871-882, Blackwell Science, Ltd. (1997)

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ATTY. DOCKET NO. APPLICATION NO. 1700.0300001/BJD/SJE 10/622,064

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	Rothenberg, M.E., et al., "Targeted Disruption of the Chemokine Eotaxin Partially Reduces Antigen-induced Tissue Eosinophilia," J. Exp. Med. 185:785-790, The Rockefeller University Press (1997)								
	Rusconi, S., et al., "In vitro inhibition of HIV-1 by Met-SDF-1ß alone or in combination with antiretroviral drugs," Antivir. Ther. 5:199-204, International Medical Press (September 2000)								
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Steppan, C.M., et al., "The hormone resistin links obesity to diabetes," Nature 409:307-312, Nature Publishing Group (January 2001)								
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	Teixeira, M.M., et al., "Chemokine-induced Eosinophil Recruitment. Evidence of a Role for Endogenous Eotaxin in an In Vivo Allergy Model in Mouse Skin," J. Clin. Invest. 100:1657-1666, The American Society for Clinical Investigation, Inc. (1997)									
	Tewari, R., et al., "Neutrophil Activation by Nascent FimH Subunits of Type I Fimbriae Purified from the Periplasm of Escherichia coli," J. Biol. Chem. 268:3009-3015, The American Society for Biochemistry and Molecular Biology, Inc. (1993)									
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	AS	Visintin, M. et al., "Selection of antibodies for intracellular function using a two-hybrid in vivo system," Proc. Natl. Acad. Sci. USA 96:11723-11728, National Academy Press (1999)									
	Walse, B., et al., "Transferred nuclear Overhauser effect spectroscopy study of a peptide from the PapG pilus subunit bound by the Escherichia coli PapD chaperone," FEBS Lett. 412:115-120, Elsevier Science B.V. (1997)										
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INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

APPLICANT

BACHMANN et al.

FILING DATE
July 18, 2003

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APPLICANT BACHMANN et al.

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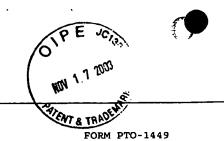
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		AS	<u>82</u>	Crameri, R. and Suter, M., "Display of biologically active proteins on the surface of filamentous phages: a cDNA cloning system for selection of functional gene products linked to the genetic information responsible for their production," Gene 137:69-75, Elsevier Science Publishers B.V. (1993)							
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ATTY. DOCKET NO.

1700.0300001/BJD/SJE

APPLICATION NO.

10/622,064

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BACHMANN et al.

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	AS	Perham, R.N., et al., "Engineering a peptide epitope display system on filamentous bacteriophage," FEMS Microbiol. Rev. 17:25-31, Elsevier Science Publishers on behalf of the Federation of European Microbiological Societies (1995)							
	Petrenko, V.A., et al., "A library of organic landscapes on filamentous phage," Protein Engin. 9:797-801, Oxford University Press (1996)								
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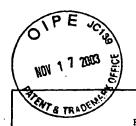
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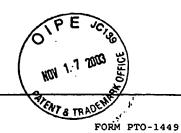
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APPLICANT

BACHMANN et al.

FILING DATE GROUP July 18, 2003 1645

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ATTY. DOCKET NO. 1700.0300001/BJD/SJE APPLICATION NO. 10/622,064

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FILING DATE GROUP July 18, 2003 1645

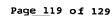
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BACHMANN et al.

FILING DATE July 18, 2003 GROUP 1645

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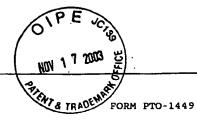
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Copy of co-pending U.S. application 10/346,190, inventors Bachmann et al., filed January 17, 2003 (NOT PUBLISHED)

AS 129 Copy of co-pending U.S. application 10/622,087, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)

AT 129 Copy of co-pending U.S. application 10/622,124, inventors Bachmann et al., filed July 18, 2003 (NOT PUBLISHED)

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FIRST NAMED INVENTOR | Martin F. Bachmann

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